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ABSTRACT

METHOD FOR MANUFACTURING A FIBRE MAT, FIBRE MAT AND USE OF SUCH FIBRE MAT

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There is described a new method for making a fibre mat under the use of plant fibres, preferably from flax and hemp.

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The fibres are pre-treated and shortened, whereafter they are separated for establishing a fibre mass comprising single fibres with lengths within a desired interval. Hereafter, the fibre mat is produced by a dry-forming process as the fibres are oriented randomly in the fibre mat. The dry-forming process preferably takes place by using a former head which is placed above a vacuum box as the fibres are deposited on a former wire between these two elements. The plate is fixed as inter-fibre bonds are established between the single fibres. The inter-fibre bonds may be established with or without the use of binders.

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The formed fibre mats will be open and airy, but at the same time sufficiently stable and cohesive for handling. A field of application for the fibre mat will be isolation.

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S U M M A R Y